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Title: **INHIBITORS OF HUMAN BREAST CANCER CELL GROWTH**  
 Inventors Name: Montano, et al.  
 Attorney Docket Number: 27708/04004

**FIG. 1A**

**SEQUENCE OF EDG1**

atg	gcc	gag	cca	tgc	ttg	tca	gaa	tat	caa	cac	cag	cct	caa	act	agc		
M	A	E	P	F	L	S	E	Y	Q	H	Q	P	Q	T	S		1
aac	tgt	aca	ggg	gct	gct	gct	gtc	cag	gaa	gag	ctg	aac	cct	gag	cgc		32
N	C	T	G	A	A	A	V	Q	E	E	L	N	P	E	R		
ccc	cca	ggc	gcf	gag	gag	cgf	gtg	ccc	gag	gag	gac	agt	agg	tgg	caa		48
P	P	G	A	E	E	R	V	P	E	E	D	S	R	W	Q		
tcg	aga	gcf	ttc	ccc	cag	ttg	ggf	ggc	cgt	ccg	ggg	ccg	gag	ggg	gaa		64
S	R	A	F	P	Q	L	G	G	R	P	G	P	E	G	E		
ggg	agc	ctg	gaa	tcc	caa	cca	cct	ccc	ttg	cag	acc	cag	gcc	tgt	cca		80
G	S	L	E	S	Q	P	P	P	L	Q	T	Q	A	C	P		
gaa	tct	agc	tgc	ctg	aga	gag	ggc	gag	aag	ggc	cag	aat	ggg	gac	gac		96
E	S	S	C	L	R	E	G	E	K	G	Q	N	G	D	D		
tcg	tcc	gct	ggc	ggc	gac	ttc	ccg	ccg	ccg	gca	gaa	gtg	gaa	ccg	acg		112
S	S	A	G	G	D	F	P	P	P	A	E	V	E	P	T		
ccc	gag	gcc	gag	ctg	ctc	gcc	cag	cct	tgt	cat	gac	tcc	gag	gcc	agt		128
P	E	A	E	L	L	A	Q	P	C	H	D	S	E	A	S		
aag	ttg	ggg	gct	cct	gcc	gca	ggg	ggc	gaa	gag	gag	tgg	gga	cag	cag		144
K	L	G	A	P	A	A	G	G	E	E	E	W	G	Q	Q		
cag	aga	cag	ctg	ggg	aag	aaa	aaa	cat	aag	aga	cgc	ccg	tcc	aag	aag		160
Q	R	Q	L	G	K	K	K	H	R	R	R	P	S	K	K		
aag	cgg	cat	tgg	aaa	ccg	tac	tac	aag	ctg	aac	tgg	gaa	gag	aag	aaa		176
K	R	H	W	K	P	Y	Y	K	L	T	W	E	E	K	K		
aag	tcc	gac	gag	aaa	cag	agc	ctt	cga	gct	tca	agg	atc	cga	gcc	gag		192
K	F	D	E	K	Q	S	L	R	A	S	R	I	R	A	E		
atg	tcc	gcc	aag	ggc	cag	ccg	gtc	gcf	ccc	tat	aac	acc	acg	cag	ttc		208
M	F	A	K	G	Q	P	V	A	P	Y	N	T	T	Q	F		
ctc	atg	gat	gat	cac	gac	cag	gag	gag	ccg	gat	ctc	aaa	acc	ggc	ctg		224
L	M	D	D	H	D	Q	E	E	P	D	L	K	T	G	L		
tac	tcc	aag	cgg	gcc	gcc	aaa	tcc	gac	gac	acc	agc	gat	gac	gac			240
Y	S	K	R	A	A	A	K	S	D	D	T	S	D	D	D		

## Title: INHIBITORS OF HUMAN BREAST CANCER CELL GROWTH

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Fig. 1B

ttc atg gaa gaa ggg ggt gag gag gat ggg ggc agc gat ggg atg gga	F M E E G G E E D G G S D G M G	256
ggg gac ggc agc gag ttt ctg cag cg gac ttc tcg gag acg tac gag	G D G S E F L Q R D F S E T Y E	272
cg g tac cac acg gag agc ctg cag aac atg agc aag cag gag ctc atc	R Y H T E S L Q N M S K Q E L I	288
aag gag tac ctg gaa ctg gag aag tgc ctc tcg cgc atg gag gac gag	K E Y L E K C L S R M E D E	304
aac aac cgg ctg cgg ctg gag agc aag cgg ctg ggt ggc gac gac gcg	N N R L R L E S K R L G G D D A	320
cgt gtg cgg gag ctg gag ctg gag ctg gac cgg ctg cgc gcc gag aac	R V R E L E L D R L R A E N	336
ctc cag ctg ctg acc gag aac gaa ctg cac cgg cag cag gag cga gcg	L Q L L T E N E L H R Q Q E R A	352
ccg ctt tcc aag ttt gga gac tag	P L S K F G D *	359

Fig. 2A

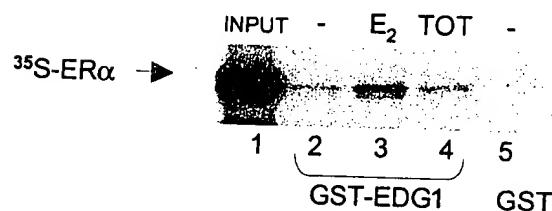


Fig. 2B

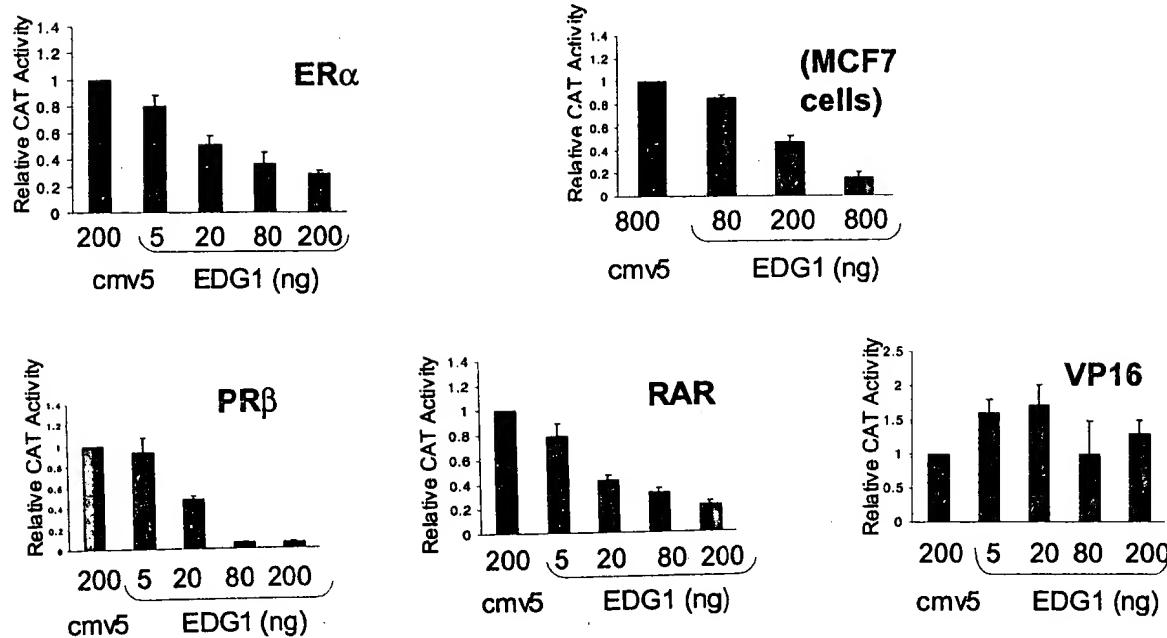
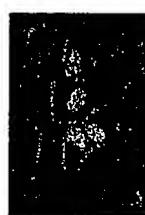


Fig. 2C

GFP-EDG1

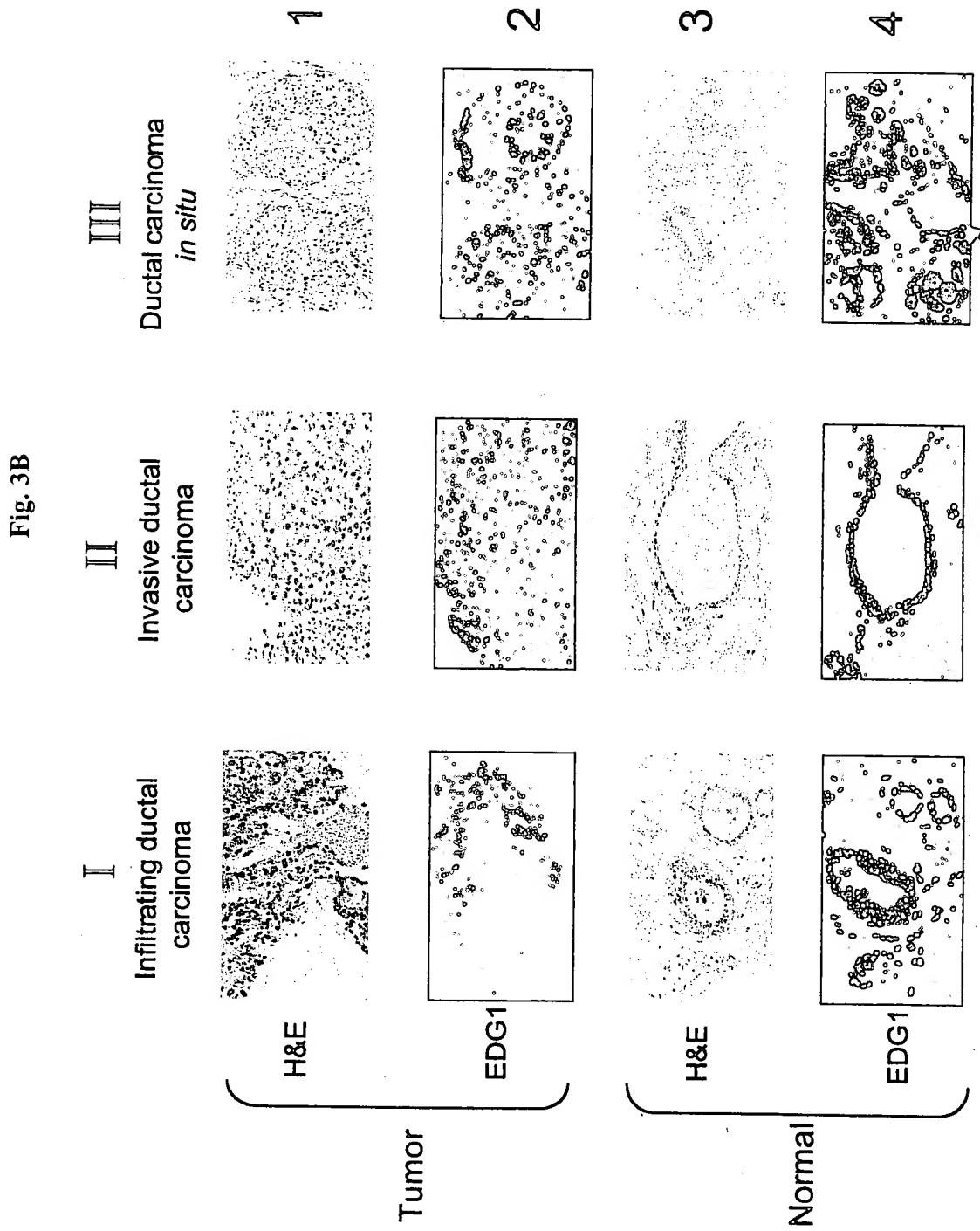


GFP-PCMT Vector only



Fig. 3A





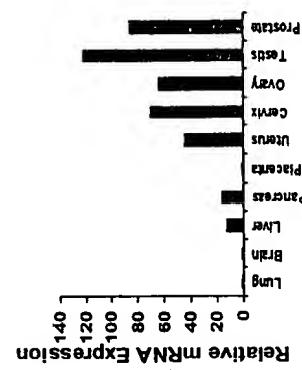
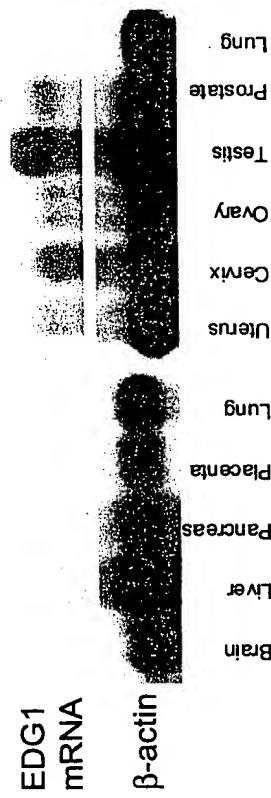
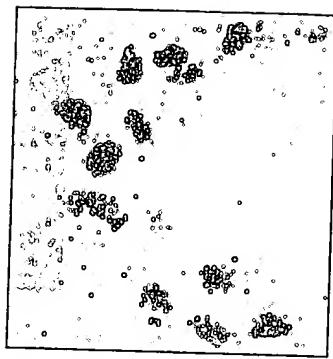


Fig. 3C



**Fig. 4A**

**MCF10**



**MCF7**

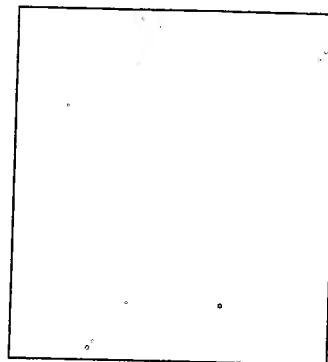
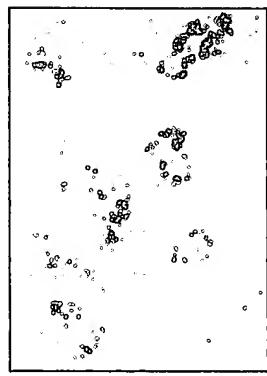
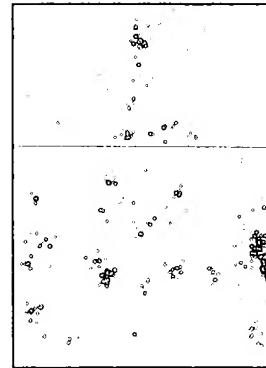


Fig. 4B

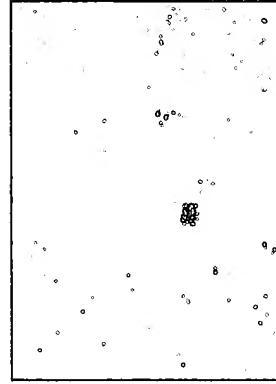
MCF7



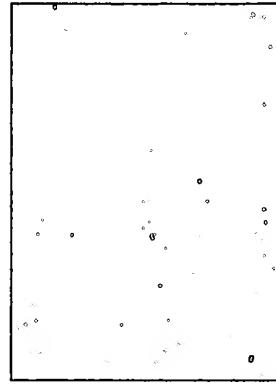
EGF (16 h)



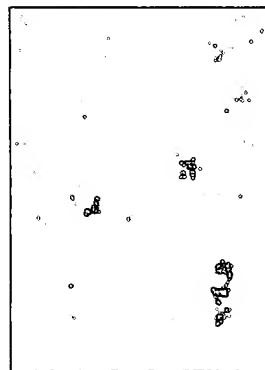
E<sub>2</sub> (16h)



E<sub>2</sub> (12h)



E<sub>2</sub> (24h)



ctrl

E<sub>2</sub> (20h)

Fig. 4C

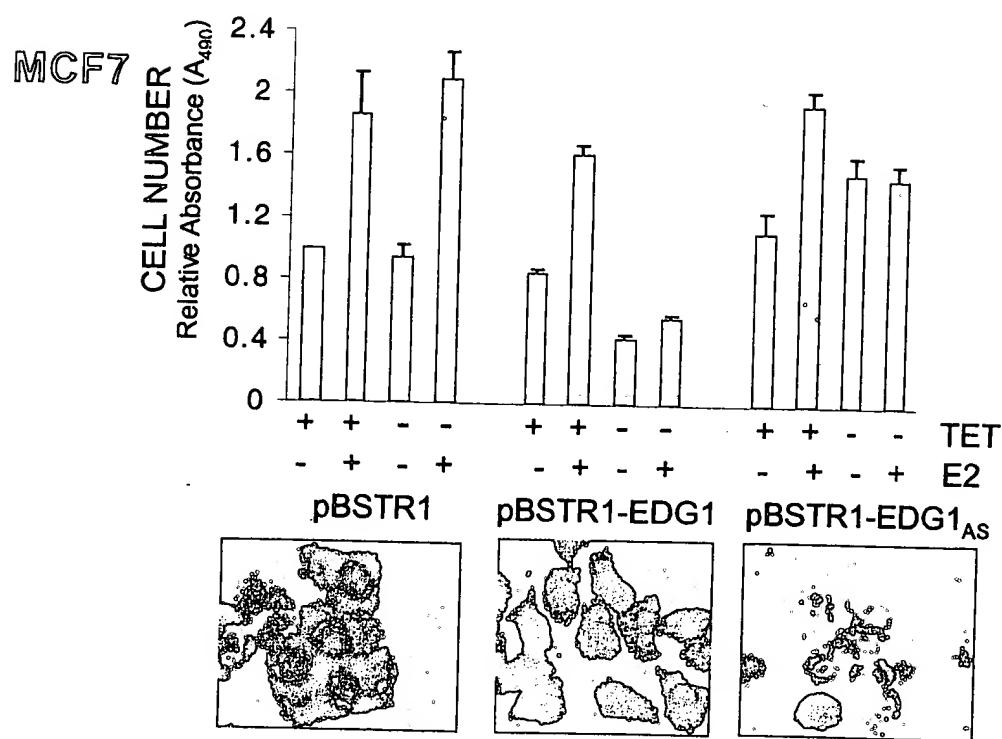


Fig. 4D

MCF7

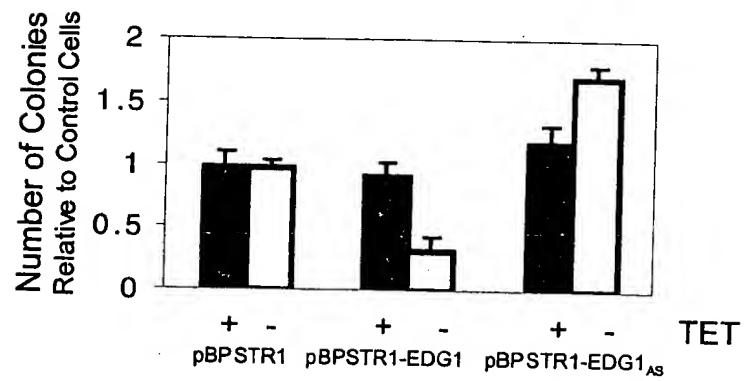
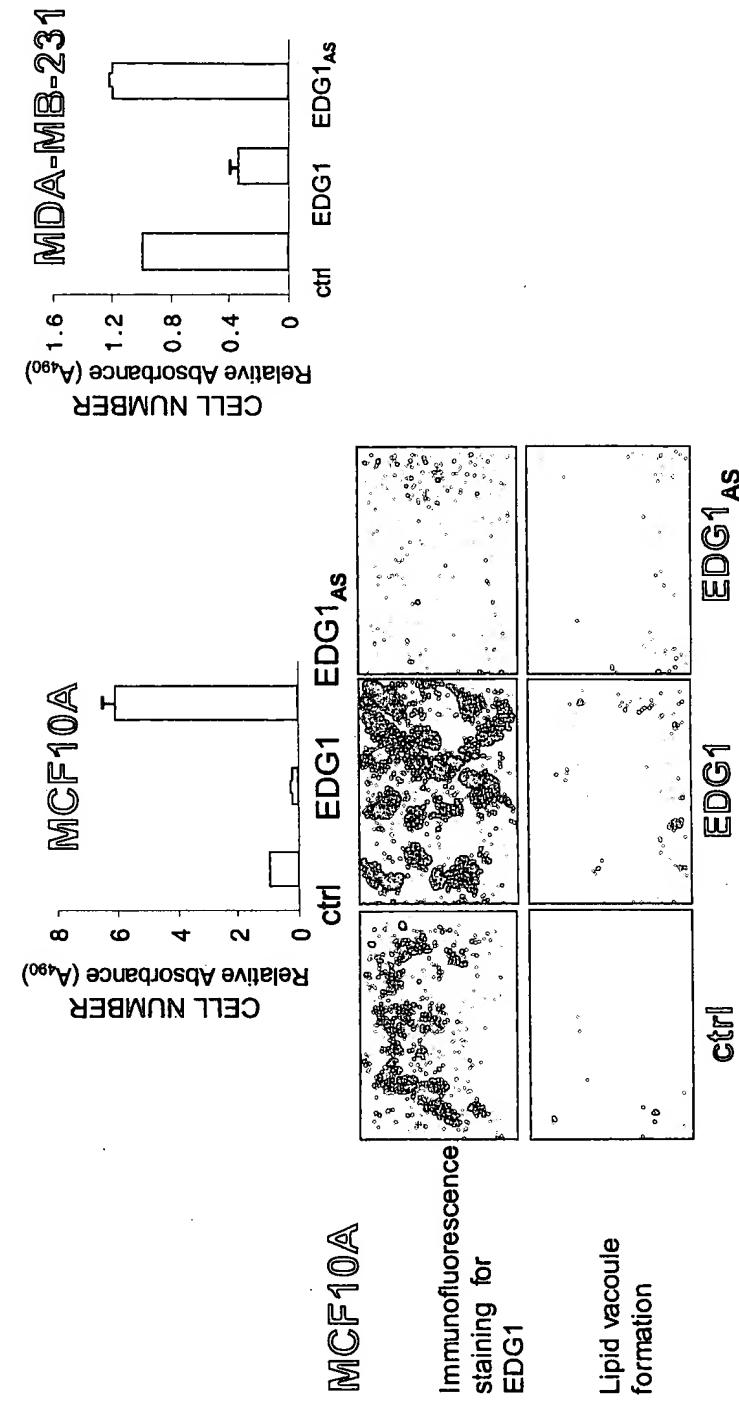
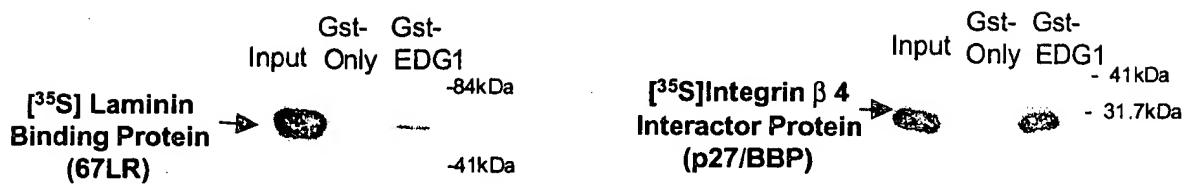


Fig. 4E



**Fig. 5A**



**Fig. 5B**

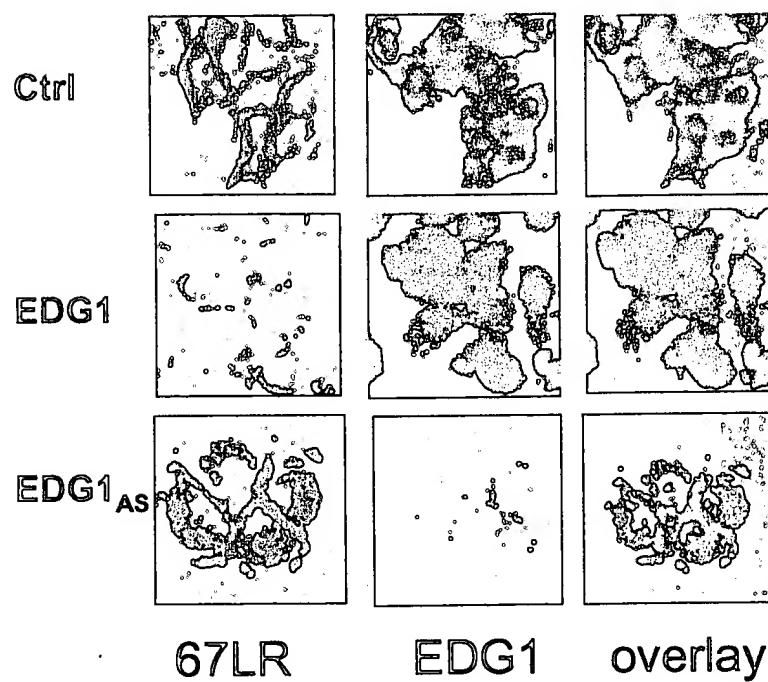


Fig. 5C

